858 Shipment Information

Functional Group ID=SI

Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Shipment Information Transaction Set (858) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to provide the sender with the capability to transmit detailed bill -of-lading, rating, and/or scheduling information pertinent to a shipment. This transaction set can also be used to exchange Government Bills of Lading (GBLs), Commercial Bills of Lading (CBLs), Transportation Control and Movement Documents (TCMDs), and Personal Property Government Bills of Lading (PPGBLs). It may be used by the U.S. Civilian Government, U.S. Department of Defense, and any of their trading partners to exchange information about the shipment of freight, household goods, and passengers. This transaction set fulfills information requirements established by U.S. Government transportation movement rules and regulations.

Heading:

Page No.	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
5	010	ST	Transaction Set Header	M	1		
Not Used	020	ZC1	Beginning Segment for Data Correction or Change	O	1		
6	030	BX	General Shipment Information	M	1		n1
Not Used	040	BNX	Rail Shipment Information	O	1		
Not Used	050	M3	Release	O	1		
8	060	N9	Reference Identification	O	30		
Not Used	065	CM	Cargo Manifest	O	3		
Not Used	070	Y6	Authentication	O	4		
Not Used	080	Y7	Priority	O	1		
Not Used	090	C3	Currency	O	1		
Not Used	100	ITD	Terms of Sale/Deferred Terms of Sale	O	1		
10	110	G62	Date/Time	O	10		
Not Used	120	PER	Administrative Communications Contact	O	3		
Not Used	130	NA	Cross-Reference Equipment	O	999		
Not Used	140	F9	Origin Station	O	1		
Not Used	150	D9	Destination Station	O	1		
Not Used	160	R1	Route Information (Air)	O	1		
Not Used	170	R2	Route Information	O	13		
Not Used	175	R3	Route Information - Motor	O	13		
Not Used	180	R4	Port or Terminal	O	5		
Not Used	190	MEA	Measurements	O	10		
11	200	H3	Special Handling Instructions	O	20		
Not Used	201	PS	Protective Service Instructions	O	5		
Not Used	210	H6	Special Services	O	6		
Not Used	211	V4	Cargo Location Reference	O	1		

Not Used	212	V5	Vessel Code	O	1	
			LOOP ID - E1			2
Not Used	220	E1	Empty Car Disposition - Pended Destination Consignee	O	1	
Not Used	230	E4	Empty Car Disposition - Pended Destination City	O	1	
Not Used	240	E5	Empty Car Disposition - Pended Destination Route	O	13	
Not Used	245	PI	Price Authority Identification	O	1	
Not Used	250	M1	Insurance	O	1	
Not Used	260	M2	Sales/Delivery Terms	O	1	
12	270	L7	Tariff Reference	O	30	
14	280	NTE	Note/Special Instruction	O	50	
Not Used	290	XH	Pro Forma - B13 Information	O	1	
			LOOP ID - N7			600
Not Used	330	N7	Equipment Details	O	1	
Not Used	331	EM	Equipment Characteristics	O	1	
Not Used	335	NA	Cross-Reference Equipment	O	30	
Not Used	340	M7	Seal Numbers	O	5	
Not Used	350	N5	Equipment Ordered	O	1	
Not Used	360	REF	Reference Identification	O	5	
Not Used	370	IC	Intermodal Chassis Equipment	O	1	
Not Used	375	VC	Motor Vehicle Control	O	21	
Not Used	380	GA	Canadian Grain Information	O	15	
			LOOP ID - E1			2
Not Used	381	E1	Empty Car Disposition - Pended Destination Consignee	O	1	
Not Used	382	E4	Empty Car Disposition - Pended Destination City	O	1	
Not Used	383	E5	Empty Car Disposition - Pended Destination Route	O	13	
Not Used	384	PI	Price Authority Identification	O	1	
			LOOP ID - N1			12
15	390	N1	Name	O	1	
17	400	N2	Additional Name Information	O	2	
18	410	N3	Address Information	O	2	
19	420	N4	Geographic Location	O	1	
20	430	REF	Reference Identification	O	12	
Not Used	440	PER	Administrative Communications Contact	O	3	
Not Used	445	H3	Special Handling Instructions	O	5	
			LOOP ID - S5			999
22	450	S5	Stop-off Details	O	1	
Not Used	460	G62	Date/Time	O	6	
Not Used	470	N9	Reference Identification	O	10	
Not Used	480	H6	Special Services	O	6	
			LOOP ID - N1			5
24	490	N1	Name	O	1	
25	500	N2	Additional Name Information	O	2	

				Req.		Loop	Notes and
Not Used	510	N3	Address Information	O	2		
26	520	N4	Geographic Location	O	1		
Not Used	530	REF	Reference Identification	O	12		
Not Used	540	PER	Administrative Communications Contact	O	3		
			LOOP ID - FA1			>1	
27	550	FA1	Type of Financial Accounting Data	O	1		
28	560	FA2	Accounting Data	M	>1		
30	570	L10	Weight	O	1		

Detail:

Page No.	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			LOOP ID - HL			>1	
31	010	HL	Hierarchical Level	M	1		
Not Used	020	N7	Equipment Details	O	1		
Not Used	030	NA	Cross-Reference Equipment	O	1		
Not Used	040	M7	Seal Numbers	O	5		
Not Used	050	N5	Equipment Ordered	O	1		
Not Used	060	REF	Reference Identification	O	5		
Not Used	070	IC	Intermodal Chassis Equipment	O	1		
Not Used	080	VC	Motor Vehicle Control	O	24		
33	090	L7	Tariff Reference	O	10		
Not Used	095	SL1	Tariff Reference	O	1		
35	100	N9	Reference Identification	O	10		
Not Used	105	H3	Special Handling Instructions	O	1		
Not Used	110	X1	Export License	O	6		
Not Used	120	X2	Import License	O	1		
37	130	L5	Description, Marks and Numbers	O	10		
39	131	PER	Administrative Communications Contact	O	5		
Not Used	132	LH2	Hazardous Classification Information	O	6		
Not Used	133	LHR	Hazardous Material Identifying Reference Numbers	O	1		
Not Used	134	LH6	Hazardous Certification	O	5		
Not Used	137	Y7	Priority	O	2		
Not Used	138	G62	Date/Time	O	10		
Not Used	140	NTE	Note/Special Instruction	O	100		
Not Used	142	LP	Load Planning	O	1		
Not Used	143	AXL	Vehicle Axle Measurements	O	12		
			LOOP ID - L0			20	
41	145	L0	Line Item - Quantity and Weight	O	1		
44	150	L1	Rate and Charges	O	20		
47	160	MEA	Measurements	O	10		
			LOOP ID - LH1			100	
Not Used	170	LH1	Hazardous Identification Information	O	1		
Not Used	180	LH2	Hazardous Classification Information	O	4		n2
Not Used	190	LH3	Hazardous Material Shipping Name	O	12		

Not Used	191	LFH	Freeform Hazardous Material Information	O	20	
Not Used	192	LEP	EPA Required Data	O	3	
Not Used	200	LH4	Canadian Dangerous Requirements	O	1	
Not Used	201	LHT	Transborder Hazardous Requirements	O	3	
Not Used	210	LHR	Hazardous Material Identifying Reference Numbers	O	10	n3
Not Used	215	PER	Administrative Communications Contact	O	5	
Not Used	220	LHE	Empty Equipment Hazardous Material Information	O	1	n4
			LOOP ID - FA1		>1	
Not Used	230	FA1	Type of Financial Accounting Data	O	1	
Not Used	240	FA2	Accounting Data	M	>1	
Not Used	250	L10	Weight	O	1	
			LOOP ID - NM1		4	
Not Used	260	NM1	Individual or Organizational Name	O	1	
Not Used	270	N3	Address Information	O	2	
Not Used	280	N4	Geographic Location	O	1	
			LOOP ID - N1		4	
Not Used	290	N1	Name	O	1	
Not Used	300	N2	Additional Name Information	O	2	
Not Used	310	N3	Address Information	O	2	
Not Used	320	N4	Geographic Location	O	1	

Summary:

Page No.	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
50	010	L3	Total Weight and Charges	O	1		
52	020	SE	Transaction Set Trailer	M	1		

Transaction Set Notes

1. BX05 contains the Standard Carrier Alpha Code (SCAC) of the original roadhaul carrier receiving the shipment.

2. If the hazardous endorsement (LH204) is "NONE", then use of LH204 is mandatory. However, the receiver must consider it to be blanks when printing a paper document.

3. All receivers of the EDI transactions covering empty tank cars which last contained hazardous commodities must be able to add the constant words: RESIDUE: LAST CONTAINED ahead of the contents of LHE01 and add the constant: RESIDUE following the contents of the LHE02 when printing paper documents.

4. When used in the hazardous material loop, the segment will identify the various certification, exemption or shipper-related numbers that relate to the specific line item of the shipment that are in addition to the UN/UA number reference in the LH1 segment.

Segment:	**ST** **Transaction Set Header**	
Position:	010	
Loop:		
Level:	Heading	
Usage:	Mandatory	
Max Use:	1	
Purpose:	To indicate the start of a transaction set and to assign a control number	
Syntax Notes:		
Semantic Notes:	1	The transaction set identifier (ST01) is used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).
Comments:		

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**ST01**	**143**	**Transaction Set Identifier Code**	**M ID 3/3**
			Code uniquely identifying a Transaction Set	
			858 Shipment Information	
M	**ST02**	**329**	**Transaction Set Control Number**	**M AN 4/9**
			Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	

Segment:	**BX** General Shipment Information	
Position:	030	
Loop:		
Level:	Heading	
Usage:	Mandatory	
Max Use:	1	
Purpose:	To transmit identification numbers and other basic shipment data	
Syntax Notes:		
Semantic Notes:		
Comments:		

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	BX01	353	**Transaction Set Purpose Code**	M ID 2/2

Code identifying purpose of transaction set

00	Original
01	Cancellation
04	Change

	Ref. Des.	Data Element	Name	Attributes
M	BX02	91	**Transportation Method/Type Code**	M ID 1/2

Code specifying the method or type of transportation for the shipment

See Section 6.0 (DTEDI Personal Property Shipment Information Implementation Convention) for appropriate code values.

To find Section 6.0 on the web, go to http://www.lmi.org/dtedi/

[Instructions: At that web location, select the IC navigator button. Choose the 'ICs Completed' menu, select the Implementation Convention document, and page to Section 6.0. That document is available in PDF format.]

J	Motor

	Ref. Des.	Data Element	Name	Attributes
M	BX03	146	**Shipment Method of Payment**	M ID 2/2

Code identifying payment terms for transportation charges

PP	Prepaid (by Seller)

	Ref. Des.	Data Element	Name	Attributes
Must Use	BX04	145	**Shipment Identification Number**	O AN 1/30

Identification number assigned to the shipment by the shipper that uniquely identifies the shipment from origin to ultimate destination and is not subject to modification; (Does not contain blanks or special characters)

	Ref. Des.	Data Element	Name	Attributes
Must Use	BX05	140	**Standard Carrier Alpha Code**	O ID 2/4

Standard Carrier Alpha Code

Refer to 004010 Data Element Dictionary for acceptable code values.

	Ref. Des.	Data Element	Name	Attributes
Not Used	BX06	188	**Weight Unit Code**	O ID 1/1

Code specifying the weight unit

Refer to 004010 Data Element Dictionary for acceptable code values.

| Must Use | BX07 | 147 | Shipment Qualifier | O | ID 1/1 |

Code defining relationship of this shipment with respect to other shipments given to the carrier at the same time

4   Household Goods Bill of Lading

| Not Used | BX08 | 226 | Section Seven Code | O | ID 1/1 |

Code indicating applicability of section seven option (if not transmitted assume not in effect)

Refer to 004010 Data Element Dictionary for acceptable code values.

| Not Used | BX09 | 195 | Capacity Load Code | O | ID 1/1 |

Code specifying type of capacity load

Refer to 004010 Data Element Dictionary for acceptable code values.

| Not Used | BX10 | 160 | Status Report Request Code | O | ID 1/1 |

Code used by the shipper to specify that an automatic status report is requested when the shipment is delivered

Refer to 004010 Data Element Dictionary for acceptable code values.

| Not Used | BX11 | 501 | Customs Documentation Handling Code | O | ID 2/2 |

Code defining method of handling for documentation

Refer to 004010 Data Element Dictionary for acceptable code values.

| Not Used | BX12 | 199 | Confidential Billing Request Code | O | ID 1/1 |

Code used by the shipper to request that the carrier inhibit origin identification information from the invoice transaction sets and/or rate and charges from waybill documents and transaction sets when shipment moves under confidential contract rates

Refer to 004010 Data Element Dictionary for acceptable code values.

| Not Used | BX13 | 714 | Goods and Services Tax Reason Code | O | ID 1/1 |

Code required to identify the reason for a 0% rated goods and services tax

Refer to 004010 Data Element Dictionary for acceptable code values.

| Not Used | BX14 | 346 | Application Type | O | ID 2/2 |

Code identifying an application

Refer to 004010 Data Element Dictionary for acceptable code values.

Segment:	**N9** Reference Identification		
Position:	060		
Loop:			
Level:	Heading		
Usage:	Optional (Must Use)		
Max Use:	30		
Purpose:	To transmit identifying information as specified by the Reference Identification Qualifier		
Syntax Notes:	1	At least one of N902 or N903 is required.	
	2	If N906 is present, then N905 is required.	
	3	If either C04003 or C04004 is present, then the other is required.	
	4	If either C04005 or C04006 is present, then the other is required.	
Semantic Notes:	1	N906 reflects the time zone which the time reflects.	
	2	N907 contains data relating to the value cited in N902.	
Comments:			

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	N901	128	**Reference Identification Qualifier**	M ID 2/3

Code qualifying the Reference Identification

1O	Consolidation Shipment Number
AR	Arrival Code
BL	Government Bill of Lading
DY	Department of Defense Transportation Service Code Number (Household Goods)
FI	File Identifier
OQ	Order Number
TG	Transportation Control Number (TCN)

Must Use	N902	127	**Reference Identification**	X AN 1/30

Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

	N903	369	**Free-form Description**	X AN 1/45

Free-form descriptive text

Must Use	N904	373	**Date**	O DT 8/8

Date expressed as CCYYMMDD

Not Used	N905	337	**Time**	X TM 4/8

Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)

Not Used	N906	623	**Time Code**	O ID 2/2

Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow

Refer to 004010 Data Element Dictionary for acceptable code values.

Not Used	N907	C040	**Reference Identifier**	**O**

To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier

Not Used	C04001	128	**Reference Identification Qualifier**	**M**	**ID 2/3**

Code qualifying the Reference Identification

Refer to 004010 Data Element Dictionary for acceptable code values.

Not Used	C04002	127	**Reference Identification**	**M**	**AN 1/30**

Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

Not Used	C04003	128	**Reference Identification Qualifier**	**X**	**ID 2/3**

Code qualifying the Reference Identification

Refer to 004010 Data Element Dictionary for acceptable code values.

Not Used	C04004	127	**Reference Identification**	**X**	**AN 1/30**

Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

Not Used	C04005	128	**Reference Identification Qualifier**	**X**	**ID 2/3**

Code qualifying the Reference Identification

Refer to 004010 Data Element Dictionary for acceptable code values.

Not Used	C04006	127	**Reference Identification**	**X**	**AN 1/30**

Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

	Segment:	**G62** Date/Time
	Position:	110
	Loop:	
	Level:	Heading
	Usage:	Optional (Must Use)
	Max Use:	10
	Purpose:	To specify pertinent dates and times
	Syntax Notes:	1 At least one of G6201 or G6203 is required.
		2 If either G6201 or G6202 is present, then the other is required.
		3 If either G6203 or G6204 is present, then the other is required.
	Semantic Notes:	
	Comments:	

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
Must Use	G6201	432	**Date Qualifier**	X	ID 2/2

Code specifying type of date

	10	Requested Ship Date/Pick-up Date
	35	Delivered on This Date
	54	Deliver No Later Than Date
	84	Bill of Lading Initiated Date
	86	Actual Pickup Date
	90	Requested Pack Date

	Ref. Des.	Data Element	Name		Attributes
Must Use	G6202	373	**Date**	X	DT 8/8

Date expressed as CCYYMMDD

	Ref. Des.	Data Element	Name		Attributes
Not Used	G6203	176	**Time Qualifier**	X	ID 1/2

Code specifying the reported time

Refer to 004010 Data Element Dictionary for acceptable code values.

	Ref. Des.	Data Element	Name		Attributes
Not Used	G6204	337	**Time**	X	TM 4/8

Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)

	Ref. Des.	Data Element	Name		Attributes
Not Used	G6205	623	**Time Code**	O	ID 2/2

Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow

Refer to 004010 Data Element Dictionary for acceptable code values.

Segment:	**H3** Special Handling Instructions	
Position:	200	
Loop:		
Level:	Heading	
Usage:	Optional	
Max Use:	20	
Purpose:	To specify special handling instructions in coded or free-form format	
Syntax Notes:	1 Only one of H301 or H302 may be present.	
Semantic Notes:		
Comments:		

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Must Use	**H301**	**152**	**Special Handling Code**	**X**	**ID 2/3**

Code specifying special transportation handling instructions

DDS	Direct Delivery
FAS	Firearms
GOC	Government-Owned Containers
RWR	Reweight Requested

	Ref. Des.	Data Element	Name	Attributes	
Not Used	**H302**	**153**	**Special Handling Description**	**X**	**AN 2/30**

Free-form additional description of special handling instructions to appear on printed bill if special handling code is not adequate

	Ref. Des.	Data Element	Name	Attributes	
Not Used	**H303**	**241**	**Protective Service Code**	**O**	**ID 1/4**

Code specifying perishable protective service- rail carriers only

Refer to 004010 Data Element Dictionary for acceptable code values.

	Ref. Des.	Data Element	Name	Attributes	
Not Used	**H304**	**242**	**Vent Instruction Code**	**O**	**ID 1/7**

Code specifying vent instructions

Refer to 004010 Data Element Dictionary for acceptable code values.

	Ref. Des.	Data Element	Name	Attributes	
Not Used	**H305**	**257**	**Tariff Application Code**	**O**	**ID 1/1**

Code indicating to which traffic a tariff applies

Refer to 004010 Data Element Dictionary for acceptable code values.

Segment:	**L7** Tariff Reference	
Position:	270	
Loop:		
Level:	Heading	
Usage:	Optional	
Max Use:	30	
Purpose:	To reference details of the tariff used to arrive at applicable rates or charge	
Syntax Notes:		
Semantic Notes:	1 L710 is the effective date.	
	2 In L715 and L716, "City" and "State" are used for rate combination city and state.	
Comments:		

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Not Used	L701	213	**Lading Line Item Number**	O	N0 1/3
			Sequential line number for a lading item		
Must Use	L702	168	**Tariff Agency Code**	O	ID 1/4
			Code defining the tariff bureau or tariff publishing agent that governs the rates applied to this shipment		
			Refer to 004010 Data Element Dictionary for acceptable code values.		
Must Use	L703	171	**Tariff Number**	O	AN 1/7
			Standard tariff number for the tariff which governs the rates applied to the commodity item(s)		
Not Used	L704	172	**Tariff Section**	O	AN 1/2
			Number used as an extension of the basic tariff number to identify the rates published within specific sections of the tariff		
Not Used	L705	169	**Tariff Item Number**	O	AN 1/16
			Number assigned in the tariff to specific rate or group of rates that applies to one or more items in the shipment		
Not Used	L706	170	**Tariff Item Part**	O	N0 1/2
			Number assigned to subsection of a specific tariff item (arbitrary)		
Not Used	L707	59	**Freight Class Code**	O	AN 2/5
			Code indicating generalized classification that applies to one or more items in the shipment, i.e., class 70, 77.5, etc.		
Not Used	L708	173	**Tariff Supplement Identifier**	O	AN 1/4
			Identifier for the tariff supplement which contains the rate used		
Not Used	L709	46	**Ex Parte**	O	AN 4/4
			Level of rates as published in the tariff		
Not Used	L710	373	**Date**	O	DT 8/8
			Date expressed as CCYYMMDD		

	L711	**119**	**Rate Basis Number**	**O**	**AN 1/6**

The (mileage) factor published for rating purposes in the appropriate tariff

Not Used	**L712**	**227**	**Tariff Column**	**O**	**AN 1/2**

A tariff commodity classification that is used, as a means of control, for grouping of commodities in tariff applications

	L713	**294**	**Tariff Distance**	**O**	**N0 1/5**

Distance on which the rate for a shipment is based

	L714	**295**	**Distance Qualifier**	**O**	**ID 1/1**

Code identifying the distance unit

    T   Tariff Miles

Not Used	**L715**	**19**	**City Name**	**O**	**AN 2/30**

Free-form text for city name

Not Used	**L716**	**156**	**State or Province Code**	**O**	**ID 2/2**

Code (Standard State/Province) as defined by appropriate government agency

Refer to 004010 Data Element Dictionary for acceptable code values.

Segment:	**NTE** Note/Special Instruction		
Position:	280		
Loop:			
Level:	Heading		
Usage:	Optional		
Max Use:	50		
Purpose:	To transmit information in a free-form format, if necessary, for comment or special instruction		
Syntax Notes:			
Semantic Notes:			
Comments:	1	The NTE segment permits free-form information/data which, under ANSI X12 standard implementations, is not machine processable. The use of the NTE segment should therefore be avoided, if at all possible, in an automated environment.	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	NTE01	363	**Note Reference Code**	**O ID 3/3**
			Code identifying the functional area or purpose for which the note applies	
			CHG Change	
M	NTE02	352	**Description**	**M AN 1/80**
			A free-form description to clarify the related data elements and their content	

Segment:	**N1** Name		
Position:	390		
Loop:	N1 Optional (Must Use)		
Level:	Heading		
Usage:	Optional (Must Use)		
Max Use:	1		
Purpose:	To identify a party by type of organization, name, and code		
Syntax Notes:	1	At least one of N102 or N103 is required.	
	2	If either N103 or N104 is present, then the other is required.	
Semantic Notes:			
Comments:	1	This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.	
	2	N105 and N106 further define the type of entity in N101.	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	N101	98	**Entity Identifier Code**	M ID 2/3

Code identifying an organizational entity, a physical location, property or an individual

AG	Agent/Agency	
AN	Authorized From	
AV	Authorized To	
CN	Consignee	
OW	Owner of Property or Unit	
PO	Party to Receive Invoice for Goods or Services	
RG	Responsible Installation, Origin	
RH	Responsible Installation, Destination	
SF	Ship From	
T3	Terminal Location	
T4	Transfer Point	
TR	Terminal	
TT	Transfer To	
WD	Storage Facility at Destination	
WO	Storage Facility at Origin	
X4	Spouse	

	Ref. Des.	Data Element	Name	Attributes
Must Use	N102	93	**Name**	X AN 1/60

Free-form name

	Ref. Des.	Data Element	Name	Attributes
Must Use	N103	66	**Identification Code Qualifier**	X ID 1/2

Code designating the system/method of code structure used for Identification Code (67)

		10	Department of Defense Activity Address Code (DODAAC)		
		27	Government Bill Of Lading Office Code (GBLOC)		
		34	Social Security Number		
Must Use	**N104**	**67**	**Identification Code**	**X**	**AN 2/80**

Code identifying a party or other code

Not Used	**N105**	**706**	**Entity Relationship Code**	**O**	**ID 2/2**

Code describing entity relationship

Refer to 004010 Data Element Dictionary for acceptable code values.

Not Used	**N106**	**98**	**Entity Identifier Code**	**O**	**ID 2/3**

Code identifying an organizational entity, a physical location, property or an individual

Refer to 004010 Data Element Dictionary for acceptable code values.

Segment:	**N2** Additional Name Information	
Position:	400	
Loop:	N1	Optional (Must Use)
Level:	Heading	
Usage:	Optional (Must Use)	
Max Use:	2	
Purpose:	To specify additional names or those longer than 35 characters in length	
Syntax Notes:		
Semantic Notes:		
Comments:		

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**N201**	**93**	**Name**	**M AN 1/60**
			Free-form name	
Not Used	**N202**	**93**	**Name**	**O AN 1/60**
			Free-form name	

Segment:	**N3** Address Information			
Position:	410			
Loop:	N1 Optional (Must Use)			
Level:	Heading			
Usage:	Optional (Must Use)			
Max Use:	2			
Purpose:	To specify the location of the named party			
Syntax Notes:				
Semantic Notes:				
Comments:				

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	N301	166	**Address Information**	**M AN 1/55**
			Address information	
	N302	166	**Address Information**	**O AN 1/55**
			Address information	

Segment:	**N4** Geographic Location	
Position:	420	
Loop:	N1 Optional (Must Use)	
Level:	Heading	
Usage:	Optional (Must Use)	
Max Use:	1	
Purpose:	To specify the geographic place of the named party	
Syntax Notes:	1 If N406 is present, then N405 is required.	
Semantic Notes:		
Comments:	1 A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.	
	2 N402 is required only if city name (N401) is in the U.S. or Canada.	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Must Use	N401	19	**City Name**	O	AN 2/30
			Free-form text for city name		
	N402	156	**State or Province Code**	O	ID 2/2
			Code (Standard State/Province) as defined by appropriate government agency		
			Refer to 004010 Data Element Dictionary for acceptable code values.		
	N403	116	**Postal Code**	O	ID 3/15
			Code defining international postal zone code excluding punctuation and blanks (zip code for United States)		
			Refer to 004010 Data Element Dictionary for acceptable code values.		
Must Use	N404	26	**Country Code**	O	ID 2/3
			Code identifying the country		
			Refer to 004010 Data Element Dictionary for acceptable code values.		
Must Use	N405	309	**Location Qualifier**	X	ID 1/2
			Code identifying type of location		

       CY   County/Parish
       IP   Postal
       RA   Rate Area Code

	Ref. Des.	Data Element	Name	Attributes	
Must Use	N406	310	**Location Identifier**	O	AN 1/30
			Code which identifies a specific location		

Segment:	**REF** Reference Identification		
Position:	430		
Loop:	N1 Optional (Must Use)		
Level:	Heading		
Usage:	Optional (Must Use)		
Max Use:	12		
Purpose:	To specify identifying information		
Syntax Notes:	1 At least one of REF02 or REF03 is required.		
	2 If either C04003 or C04004 is present, then the other is required.		
	3 If either C04005 or C04006 is present, then the other is required.		
Semantic Notes:	1 REF04 contains data relating to the value cited in REF02.		
Comments:			

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	REF01	128	**Reference Identification Qualifier**	M ID 2/3
			Code qualifying the Reference Identification	
			DU Dependents Information	
			LT Lot Number	
			ML Military Rank/Civilian Pay Grade Number	
			XC Cargo Control Number	
Must Use	REF02	127	**Reference Identification**	X AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
Must Use	REF03	352	**Description**	X AN 1/80
			A free-form description to clarify the related data elements and their content	
Not Used	REF04	C040	**Reference Identifier**	O
			To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier	
Not Used	C04001	128	**Reference Identification Qualifier**	M ID 2/3
			Code qualifying the Reference Identification	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	C04002	127	**Reference Identification**	M AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
Not Used	C04003	128	**Reference Identification Qualifier**	X ID 2/3
			Code qualifying the Reference Identification	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	C04004	127	**Reference Identification**	X AN 1/30
			Reference information as defined for a particular Transaction Set or as	

specified by the Reference Identification Qualifier

| **Not Used** | **C04005** | **128** | **Reference Identification Qualifier** | **X** | **ID 2/3** |

Code qualifying the Reference Identification

Refer to 004010 Data Element Dictionary for acceptable code values.

| **Not Used** | **C04006** | **127** | **Reference Identification** | **X** | **AN 1/30** |

Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

Segment:	**S5** Stop-off Details				
Position:	450				
Loop:	S5 Optional				
Level:	Heading				
Usage:	Optional				
Max Use:	1				
Purpose:	To specify stop-off detail reference numbers and stop reason				
Syntax Notes:	1	If either S503 or S504 is present, then the other is required.			
	2	If either S505 or S506 is present, then the other is required.			
	3	If either S507 or S508 is present, then the other is required.			
Semantic Notes:	1	S509 is the stop reason description.			
Comments:					

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	S501	165	**Stop Sequence Number**	M	N0 1/3
			Identifying number for the specific stop and the sequence in which the stop is to be performed		
M	S502	163	**Stop Reason Code**	M	ID 2/2
			Code specifying the reason for the stop		
			LD Load		
			UL Unload		
Not Used	S503	81	**Weight**	X	R 1/10
			Numeric value of weight		
Not Used	S504	188	**Weight Unit Code**	X	ID 1/1
			Code specifying the weight unit		
			Refer to 004010 Data Element Dictionary for acceptable code values.		
Not Used	S505	382	**Number of Units Shipped**	X	R 1/10
			Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set		
Not Used	S506	355	**Unit or Basis for Measurement Code**	X	ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
			Refer to 004010 Data Element Dictionary for acceptable code values.		
Not Used	S507	183	**Volume**	X	R 1/8
			Value of volumetric measure		
Not Used	S508	184	**Volume Unit Qualifier**	X	ID 1/1
			Code identifying the volume unit		
			Refer to 004010 Data Element Dictionary for acceptable code values.		
Not Used	S509	352	**Description**	O	AN 1/80
			A free-form description to clarify the related data elements and their		

content

| **Not Used** | **S510** | **154** | **Standard Point Location Code** | **O** | **ID 6/9** |

Code (Standard Point Location) defined by NMFTA point development group as the official code assigned to a city or point (for ratemaking purposes) within a city

Refer to 004010 Data Element Dictionary for acceptable code values.

| **Not Used** | **S511** | **190** | **Accomplish Code** | **O** | **ID 1/1** |

Code indicating the status of a specified stop

Refer to 004010 Data Element Dictionary for acceptable code values.

Segment:	**N1** Name	
Position:	490	
Loop:	N1 Optional	
Level:	Heading	
Usage:	Optional	
Max Use:	1	
Purpose:	To identify a party by type of organization, name, and code	
Syntax Notes:	1	At least one of N102 or N103 is required.
	2	If either N103 or N104 is present, then the other is required.
Semantic Notes:		
Comments:	1	This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
	2	N105 and N106 further define the type of entity in N101.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	N101	98	**Entity Identifier Code**	M	ID 2/3
			Code identifying an organizational entity, a physical location, property or an individual		
			AB Additional Pick Up Address		
			AE Additional Delivery Address		
Must Use	N102	93	**Name**	X	AN 1/60
			Free-form name		
Not Used	N103	66	**Identification Code Qualifier**	X	ID 1/2
			Code designating the system/method of code structure used for Identification Code (67)		
			Refer to 004010 Data Element Dictionary for acceptable code values.		
Not Used	N104	67	**Identification Code**	X	AN 2/80
			Code identifying a party or other code		
Not Used	N105	706	**Entity Relationship Code**	O	ID 2/2
			Code describing entity relationship		
			Refer to 004010 Data Element Dictionary for acceptable code values.		
Not Used	N106	98	**Entity Identifier Code**	O	ID 2/3
			Code identifying an organizational entity, a physical location, property or an individual		
			Refer to 004010 Data Element Dictionary for acceptable code values.		

Segment:	**N2** Additional Name Information			
Position:	500			
Loop:	N1 Optional			
Level:	Heading			
Usage:	Optional			
Max Use:	2			
Purpose:	To specify additional names or those longer than 35 characters in length			
Syntax Notes:				
Semantic Notes:				
Comments:				

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	N201	93	Name	M AN 1/60
			Free-form name	
Not Used	N202	93	Name	O AN 1/60
			Free-form name	

Segment:	**N4** Geographic Location
Position:	520
Loop:	N1 Optional
Level:	Heading
Usage:	Optional
Max Use:	1
Purpose:	To specify the geographic place of the named party
Syntax Notes:	1 If N406 is present, then N405 is required.
Semantic Notes:	
Comments:	1 A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
	2 N402 is required only if city name (N401) is in the U.S. or Canada.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
N401	**19**	**City Name**	**O AN 2/30**
		Free-form text for city name	
N402	**156**	**State or Province Code**	**O ID 2/2**
		Code (Standard State/Province) as defined by appropriate government agency	
		Refer to 004010 Data Element Dictionary for acceptable code values.	
N403	**116**	**Postal Code**	**O ID 3/15**
		Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	
		Refer to 004010 Data Element Dictionary for acceptable code values.	
N404	**26**	**Country Code**	**O ID 2/3**
		Code identifying the country	
		Refer to 004010 Data Element Dictionary for acceptable code values.	
N405	**309**	**Location Qualifier**	**X ID 1/2**
		Code identifying type of location	
		CY County/Parish	
		IP Postal	
N406	**310**	**Location Identifier**	**O AN 1/30**
		Code which identifies a specific location	

Segment:	**FA1** Type of Financial Accounting Data	
Position:	550	
Loop:	FA1 Optional	
Level:	Heading	
Usage:	Optional	
Max Use:	1	
Purpose:	To specify the organization controlling the content of the accounting citation, and the purpose associated with the accounting citation	
Syntax Notes:		
Semantic Notes:	1 FA101 Identifies the organization controlling the assignment of financial accounting information.	
	2 FA102 Identifies the purpose of the accounting allowance or charge information.	
Comments:		

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	FA101	559	**Agency Qualifier Code**	M ID 2/2

Code identifying the agency assigning the code values

DF	Department of Defense (DoD)
DN	Department of the Navy
DX	United States Marine Corps
DY	Department of Air Force
DZ	Department of Army

	Ref. Des.	Data Element	Name	Attributes
Not Used	FA102	1300	**Service, Promotion, Allowance, or Charge Code**	O ID 4/4

Code identifying the service, promotion, allowance, or charge

Refer to 004010 Data Element Dictionary for acceptable code values.

	Ref. Des.	Data Element	Name	Attributes
Not Used	FA103	248	**Allowance or Charge Indicator**	O ID 1/1

Code which indicates an allowance or charge for the service specified

Refer to 004010 Data Element Dictionary for acceptable code values.

Segment: **FA2** Accounting Data
Position: 560
Loop: FA1   Optional
Level: Heading
Usage: Mandatory
Max Use: >1
Purpose: To specify the detailed accounting data
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	FA201	1196	**Breakdown Structure Detail Code**	M ID 2/2

Codes identifying details relating to a reporting breakdown structure tree

For current accounting data on the web, go to http://www.lmi.org/dtedi/ [Instructions: At that web location, select the IC navigator button. Choose the 'ICs Completed' menu and select the 'FA2 Appropriation Guide for Electronic Data Interchange (EDI) Payment of Transportation Service at DFAS-IN'. That guide is available in PDF format.]

Code	Name
84	Total Direct Costs
A1	Department Indicator
A2	Transfer from Department
A3	Fiscal Year Indicator
A4	Basic Symbol Number
A7	Subhead or Limit
AT	Air Force Transportation Account Code (ATAC)
B3	Budget Program Activity
B4	Program Year Indicator
B5	Fund Code
C1	Program Element
C4	Project Account
D4	Component Sub-allocation Recipient
D6	Sub-allotment Recipient
D7	Work Center Recipient
E4	Operating Budget Activity Number
F1	Object Class
F3	Government or Public Sector Identifier
F4	Country Code
G3	Material Program Code

	G4		Accounting Processing Code
	G5		Property Accounting Activity Indicator
	H1		Cost Code
	H3		Cost Allocation Code
	J1		Document or Record Reference Number
	K6		Accounting Classification Reference Code
	L1		Accounting Installation Number
	MD		Movement Designator Code (MDC)
	N1		Transaction Type
	P5		Foreign Military Sales (FMS) Line Item Number
	P6		Contract Payment Notice (CPN) Recipient Indicator
	TA		Transportation Account Code (TAC)
	ZZ		Mutually Defined

M   FA202   1195   Financial Information Code   M   AN 1/80

Code representing financial accounting information

Segment: **L10** Weight

Position:	570
Loop:	FA1 Optional
Level:	Heading
Usage:	Optional (Must Use)
Max Use:	1
Purpose:	To transmit weight information
Syntax Notes:	
Semantic Notes:	
Comments:	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	L1001	81	Weight	M R 1/10
			Numeric value of weight	
M	L1002	187	Weight Qualifier	M ID 1/2
			Code defining the type of weight	
			B Billed Weight	
	L1003	188	Weight Unit Code	O ID 1/1
			Code specifying the weight unit	
			L Pounds	

Segment:	**HL** Hierarchical Level	
Position:	010	
Loop:	HL	Mandatory
Level:	Detail	
Usage:	Mandatory	
Max Use:	1	
Purpose:	To identify dependencies among and the content of hierarchically related groups of data segments	
Syntax Notes:		
Semantic Notes:		
Comments:	**1**	The HL segment is used to identify levels of detail information using a hierarchical structure, such as relating line-item data to shipment data, and packaging data to line-item data.
		The HL segment defines a top-down/left-right ordered structure.
	2	HL01 shall contain a unique alphanumeric number for each occurrence of the HL segment in the transaction set. For example, HL01 could be used to indicate the number of occurrences of the HL segment, in which case the value of HL01 would be "1" for the initial HL segment and would be incremented by one in each subsequent HL segment within the transaction.
	3	HL02 identifies the hierarchical ID number of the HL segment to which the current HL segment is subordinate.
	4	HL03 indicates the context of the series of segments following the current HL segment up to the next occurrence of an HL segment in the transaction. For example, HL03 is used to indicate that subsequent segments in the HL loop form a logical grouping of data referring to shipment, order, or item-level information.
	5	HL04 indicates whether or not there are subordinate (or child) HL segments related to the current HL segment.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	HL01	628	**Hierarchical ID Number**	M AN 1/12
			A unique number assigned by the sender to identify a particular data segment in a hierarchical structure	
Not Used	HL02	734	**Hierarchical Parent ID Number**	O AN 1/12
			Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to	
M	HL03	735	**Hierarchical Level Code**	M ID 1/2
			Code defining the characteristic of a level in a hierarchical structure	

	2	Billing Arrangement
	37	Property
	AD	Administrative Information
	D	Product Description
	E	Transportation Equipment

FI	Financial Information
PH	Product Characteristic
PP	Related Parties
SS	Services

Not Used   **HL04**   **736**   **Hierarchical Child Code**   **O ID 1/1**

Code indicating if there are hierarchical child data segments subordinate to the level being described

Refer to 004010 Data Element Dictionary for acceptable code values.

Segment:	**L7** Tariff Reference	
Position:	090	
Loop:	HL	Mandatory
Level:	Detail	
Usage:	Optional	
Max Use:	10	
Purpose:	To reference details of the tariff used to arrive at applicable rates or charge	
Syntax Notes:		
Semantic Notes:	1 L710 is the effective date.	
	2 In L715 and L716, "City" and "State" are used for rate combination city and state.	
Comments:		

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Not Used	L701	213	**Lading Line Item Number**	O N0 1/3
			Sequential line number for a lading item	
Not Used	L702	168	**Tariff Agency Code**	O ID 1/4
			Code defining the tariff bureau or tariff publishing agent that governs the rates applied to this shipment	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	L703	171	**Tariff Number**	O AN 1/7
			Standard tariff number for the tariff which governs the rates applied to the commodity item(s)	
Not Used	L704	172	**Tariff Section**	O AN 1/2
			Number used as an extension of the basic tariff number to identify the rates published within specific sections of the tariff	
Not Used	L705	169	**Tariff Item Number**	O AN 1/16
			Number assigned in the tariff to specific rate or group of rates that applies to one or more items in the shipment	
Not Used	L706	170	**Tariff Item Part**	O N0 1/2
			Number assigned to subsection of a specific tariff item (arbitrary)	
Not Used	L707	59	**Freight Class Code**	O AN 2/5
			Code indicating generalized classification that applies to one or more items in the shipment, i.e., class 70, 77.5, etc.	
Not Used	L708	173	**Tariff Supplement Identifier**	O AN 1/4
			Identifier for the tariff supplement which contains the rate used	
Not Used	L709	46	**Ex Parte**	O AN 4/4
			Level of rates as published in the tariff	
Not Used	L710	373	**Date**	O DT 8/8
			Date expressed as CCYYMMDD	

| Not Used | L711 | 119 | **Rate Basis Number** | O | AN 1/6 |

The (mileage) factor published for rating purposes in the appropriate tariff

| Not Used | L712 | 227 | **Tariff Column** | O | AN 1/2 |

A tariff commodity classification that is used, as a means of control, for grouping of commodities in tariff applications

| Must Use | L713 | 294 | **Tariff Distance** | O | N0 1/5 |

Distance on which the rate for a shipment is based

| Must Use | L714 | 295 | **Distance Qualifier** | O | ID 1/1 |

Code identifying the distance unit

    M   Miles (Actual)

| Not Used | L715 | 19 | **City Name** | O | AN 2/30 |

Free-form text for city name

| Not Used | L716 | 156 | **State or Province Code** | O | ID 2/2 |

Code (Standard State/Province) as defined by appropriate government agency

Refer to 004010 Data Element Dictionary for acceptable code values.

Segment:		**N9** Reference Identification		
Position:		100		
Loop:		HL Mandatory		
Level:		Detail		
Usage:		Optional		
Max Use:		10		
Purpose:		To transmit identifying information as specified by the Reference Identification Qualifier		
Syntax Notes:		1	At least one of N902 or N903 is required.	
		2	If N906 is present, then N905 is required.	
		3	If either C04003 or C04004 is present, then the other is required.	
		4	If either C04005 or C04006 is present, then the other is required.	
Semantic Notes:		1	N906 reflects the time zone which the time reflects.	
		2	N907 contains data relating to the value cited in N902.	
Comments:				

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	N901	128	**Reference Identification Qualifier**	M ID 2/3

Code qualifying the Reference Identification

1P	Accessorial Status Code
1R	Storage Information Code
LD	Loan Number
QN	Stop Sequence Number
SE	Serial Number
XC	Cargo Control Number

	Ref. Des.	Data Element	Name	Attributes
Must Use	N902	127	**Reference Identification**	X AN 1/30

Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

See Section 6.0 (DTEDI Personal Property Shipment Information Implementation Convention) for list of valid codes.

To find Section 6.0 on the web, go to http://www.lmi.org/dtedi/

[Instructions: At that web location, select the IC navigator button. Choose the 'ICs Completed' menu, select the Implementation Convention document, and page to Section 6.0. That document is available in PDF format.]

	Ref. Des.	Data Element	Name	Attributes
Must Use	N903	369	**Free-form Description**	X AN 1/45

Free-form descriptive text

	Ref. Des.	Data Element	Name	Attributes
Must Use	N904	373	**Date**	O DT 8/8

Date expressed as CCYYMMDD

| Not Used | N905 | 337 | **Time** | | **X** | **TM 4/8** |

Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)

| Not Used | N906 | 623 | **Time Code** | | **O** | **ID 2/2** |

Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow

Refer to 004010 Data Element Dictionary for acceptable code values.

| Not Used | N907 | C040 | **Reference Identifier** | | **O** | |

To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier

| Not Used | C04001 | 128 | **Reference Identification Qualifier** | | **M** | **ID 2/3** |

Code qualifying the Reference Identification

Refer to 004010 Data Element Dictionary for acceptable code values.

| Not Used | C04002 | 127 | **Reference Identification** | | **M** | **AN 1/30** |

Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

| Not Used | C04003 | 128 | **Reference Identification Qualifier** | | **X** | **ID 2/3** |

Code qualifying the Reference Identification

Refer to 004010 Data Element Dictionary for acceptable code values.

| Not Used | C04004 | 127 | **Reference Identification** | | **X** | **AN 1/30** |

Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

| Not Used | C04005 | 128 | **Reference Identification Qualifier** | | **X** | **ID 2/3** |

Code qualifying the Reference Identification

Refer to 004010 Data Element Dictionary for acceptable code values.

| Not Used | C04006 | 127 | **Reference Identification** | | **X** | **AN 1/30** |

Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

Segment: **L5** Description, Marks and Numbers

Position:	130
Loop:	HL Mandatory
Level:	Detail
Usage:	Optional
Max Use:	10
Purpose:	To specify the line item in terms of description, quantity, packaging, and marks and numbers
Syntax Notes:	1 If either L503 or L504 is present, then the other is required.
	2 If L507 is present, then L506 is required.
	3 If either L508 or L509 is present, then the other is required.
Semantic Notes:	
Comments:	1 L502 may be used to send quantity information as part of the product description.

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
Not Used	L501	213	**Lading Line Item Number**	**O**	**N0 1/3**
			Sequential line number for a lading item		
Must Use	L502	79	**Lading Description**	**O**	**AN 1/50**
			Description of an item as required for rating and billing purposes		
Not Used	L503	22	**Commodity Code**	**X**	**AN 1/30**
			Code describing a commodity or group of commodities		
Not Used	L504	23	**Commodity Code Qualifier**	**X**	**ID 1/1**
			Code identifying the commodity coding system used for Commodity Code		
			Refer to 004010 Data Element Dictionary for acceptable code values.		
Not Used	L505	103	**Packaging Code**	**O**	**AN 3/5**
			Code identifying the type of packaging; Part 1: Packaging Form, Part 2: Packaging Material; if the Data Element is used, then Part 1 is always required		
			Refer to 004010 Data Element Dictionary for acceptable code values.		
Not Used	L506	87	**Marks and Numbers**	**X**	**AN 1/48**
			Marks and numbers used to identify a shipment or parts of a shipment		
Not Used	L507	88	**Marks and Numbers Qualifier**	**O**	**ID 1/2**
			Code specifying the application or source of Marks and Numbers (87)		
			Refer to 004010 Data Element Dictionary for acceptable code values.		
Not Used	L508	23	**Commodity Code Qualifier**	**X**	**ID 1/1**
			Code identifying the commodity coding system used for Commodity Code		
			Refer to 004010 Data Element Dictionary for acceptable code values.		
Not Used	L509	22	**Commodity Code**	**X**	**AN 1/30**
			Code describing a commodity or group of commodities		

Not Used   **L510**   **595**   **Compartment ID Code**   **O**   **ID 1/1**

Code identifying the compartment in a compartmentalized tank car

Refer to 004010 Data Element Dictionary for acceptable code values.

<table>
<tr><td>Segment:</td><td colspan=2>PER Administrative Communications Contact</td></tr>
<tr><td>Position:</td><td>131</td></tr>
<tr><td>Loop:</td><td>HL</td><td>Mandatory</td></tr>
<tr><td>Level:</td><td>Detail</td></tr>
<tr><td>Usage:</td><td>Optional</td></tr>
<tr><td>Max Use:</td><td>5</td></tr>
<tr><td>Purpose:</td><td>To identify a person or office to whom administrative communications should be directed</td></tr>
<tr><td>Syntax Notes:</td><td>1</td><td>If either PER03 or PER04 is present, then the other is required.</td></tr>
<tr><td></td><td>2</td><td>If either PER05 or PER06 is present, then the other is required.</td></tr>
<tr><td></td><td>3</td><td>If either PER07 or PER08 is present, then the other is required.</td></tr>
<tr><td>Semantic Notes:</td></tr>
<tr><td>Comments:</td></tr>
</table>

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
M	PER01	366	**Contact Function Code**	M	ID 2/2
			Code identifying the major duty or responsibility of the person or group named		
			AU — Report Authorizer		
Not Used	PER02	93	**Name**	O	AN 1/60
			Free-form name		
Not Used	PER03	365	**Communication Number Qualifier**	X	ID 2/2
			Code identifying the type of communication number. Refer to 004010 Data Element Dictionary for acceptable code values.		
Not Used	PER04	364	**Communication Number**	X	AN 1/80
			Complete communications number including country or area code when applicable		
Not Used	PER05	365	**Communication Number Qualifier**	X	ID 2/2
			Code identifying the type of communication number. Refer to 004010 Data Element Dictionary for acceptable code values.		
Not Used	PER06	364	**Communication Number**	X	AN 1/80
			Complete communications number including country or area code when applicable		
Not Used	PER07	365	**Communication Number Qualifier**	X	ID 2/2
			Code identifying the type of communication number. Refer to 004010 Data Element Dictionary for acceptable code values.		
Not Used	PER08	364	**Communication Number**	X	AN 1/80
			Complete communications number including country or area code when applicable		
Not Used	PER09	443	**Contact Inquiry Reference**	O	AN 1/20

Additional reference number or description to clarify a contact number

Segment:	**L0** Line Item - Quantity and Weight	
Position:	145	
Loop:	L0 Optional (Must Use)	
Level:	Detail	
Usage:	Optional (Must Use)	
Max Use:	1	
Purpose:	To specify quantity, weight, volume, and type of service for a line item including applicable "quantity/rate-as" data	

Syntax Notes:	1	If either L002 or L003 is present, then the other is required.
	2	If either L004 or L005 is present, then the other is required.
	3	If either L006 or L007 is present, then the other is required.
	4	If either L008 or L009 is present, then the other is required.
	5	If L011 is present, then L004 is required.
	6	If either L013 or L015 is present, then the other is required.
Semantic Notes:	1	L008 is the number of handling units of the line item tendered to the carrier.
	2	L013 can only be used if the code in L009 is PLT, SKD, or SLP.
	3	L015 designates whether the carrier will be required to verify the number of units contained on a pallet, slip sheet or skid. Code "Y" indicates that the carrier will be required to verify. Code "N" indicates that the carrier will not be required to verify.
Comments:	1	L013 is used to convey the total number of boxes, cartons, or pieces contained on a pallet, skid, or slip sheet for the line item.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Must Use	L001	213	**Lading Line Item Number**	O	N0 1/3
			Sequential line number for a lading item		
	L002	220	**Billed/Rated-as Quantity**	X	R 1/11
			Basis for rating (miles, value, volume, etc.); Note: Weight may be defined by either data element 220 or 81		
	L003	221	**Billed/Rated-as Qualifier**	X	ID 2/2
			Code identifying the type of quantity or value on which the rate or item pricing is based		

> *Refer to code list in Section 6.0 (DTEDI Personal Property Shipment Information Implementation Convention) for application of this qualifier with Item Number Performed*
>
> *To find Section 6.0 on the web, go to http://www.lmi.org/dtedi/*
>
> *[Instructions: At that web location, select the IC navigator button. Choose the 'ICs Completed' menu, select the Implementation Convention document, and page to Section 6.0. That document is available in PDF format.]*

Refer to 004010 Data Element Dictionary for acceptable code values.

Must Use	L004	81	**Weight**	X	R 1/10

Numeric value of weight

Must Use	L005	187	**Weight Qualifier**	X	ID 1/2

Code defining the type of weight

B	Billed Weight
E	Estimated Net Weight
G	Gross Weight
N	Actual Net Weight
RG	Reweigh Gross Weight
RN	Reweigh Net Weight
RT	Reweigh Tare Weight
SF	Storage in Transit Final Weight Out
SI	Storage in Transit Weight in
SO	Storage in Transit Weight Out
T	Tare Weight
WA	Administrative Weight Allowance
WB	Unaccompanied Baggage Weight
WG	Professional Gear Weight
Z	Mutually Defined

Not Used	L006	183	**Volume**	X	R 1/8

Value of volumetric measure

Not Used	L007	184	**Volume Unit Qualifier**	X	ID 1/1

Code identifying the volume unit

Refer to 004010 Data Element Dictionary for acceptable code values.

Not Used	L008	80	**Lading Quantity**	X	N0 1/7

Number of units (pieces) of the lading commodity

Not Used	L009	211	**Packaging Form Code**	X	ID 3/3

Code for packaging form of the lading quantity

Refer to 004010 Data Element Dictionary for acceptable code values.

Not Used	L010	458	**Dunnage Description**	O	AN 2/25

Material used to protect lading

Must Use	L011	188	**Weight Unit Code**	O	ID 1/1

Code specifying the weight unit

L	Pounds

Not Used	L012	56	**Type of Service Code**	O	ID 2/2

Code specifying extent of transportation service requested

Refer to 004010 Data Element Dictionary for acceptable code values.

Not Used	L013	380	**Quantity**	X	R 1/15

Numeric value of quantity

Not Used	L014	211	**Packaging Form Code**	O	ID 3/3

Code for packaging form of the lading quantity

Refer to 004010 Data Element Dictionary for acceptable code values.

Not Used   L015   1073   Yes/No Condition or Response Code   X   ID 1/1

Code indicating a Yes or No condition or response

Refer to 004010 Data Element Dictionary for acceptable code values.

Segment:	**L1** Rate and Charges
Position:	150
Loop:	L0 Optional (Must Use)
Level:	Detail
Usage:	Optional (Must Use)
Max Use:	20
Purpose:	To specify rate and charges detail relative to a line item including freight charges, advances, special charges, and entitlements
Syntax Notes:	1 If either L102 or L103 is present, then the other is required.
	2 At least one of L104 L105 or L106 is required.
	3 If either L114 or L115 is present, then the other is required.
	4 If either L117 or L118 is present, then the other is required.
Semantic Notes:	1 L119 is the percent used to determine the charge in L104.
	2 L120, if used, indicates the currency for all monetary amounts in this L1 segment.
	3 L121 is the origin rated as charge amount.
Comments:	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Not Used	L101	213	**Lading Line Item Number**	O	N0 1/3
			Sequential line number for a lading item		
	L102	60	**Freight Rate**	X	R 1/9
			Rate that applies to the specific commodity		
	L103	122	**Rate/Value Qualifier**	X	ID 2/2
			Code qualifying how to extend charges or interpret value		

Code conversion table for Tender Form 364R rate codes is in Section 6.0 (DTEDI Personal Property Shipment Information Implementation Convention).

To find Section 6.0 on the web, go to http://www.lmi.org/dtedi/

[Instructions: At that web location, select the IC navigator button. Choose the 'ICs Completed' menu, select the Implementation Convention document, and page to Section 6.0. That document is available in PDF format.]

CT	Charge or Credit Based on Percentage of Total
CW	Per Hundred Weight
FC	Flat Charge
FR	Flat Rate
VM	Volume

	Ref. Des.	Data Element	Name	Attributes	
Must Use	L104	58	**Charge**	X	N2 1/12
			For a line item: freight or special charge; for the total invoice: the total		

charges -- expressed in the standard monetary denomination for the currency specified

Not Used	L105	191	Advances	X	N2 1/9

Incidental charges occurring during transportation which are not generally considered to be freight charges (examples - stop charges, diversion and reconsignment, icing) expressed in the standard monetary denomination for the currency specified

Must Use	L106	117	Prepaid Amount	X	N2 1/9

Money paid at point of origin (usually by shipper) expressed in the standard monetary denomination for the currency specified

Not Used	L107	120	Rate Combination Point Code	O	AN 3/9

The code denoting the connecting station for a joint rate obtained by combining two or more published rates which are used for the calculation of transportation charges

Refer to 004010 Data Element Dictionary for acceptable code values.

	L108	150	Special Charge or Allowance Code	O	ID 3/3

Code identifying type of special charge or allowance

Refer to the code list in Section 6.0 (DTEDI Personal Property Shipment Information Implementation Convention) for appropriate X12 codes.

To find Section 6.0 on the web, go to http://www.lmi.org/dtedi/

[Instructions: At that web location, select the IC navigator button. Choose the 'ICs Completed' menu, select the Implementation Convention document, and page to Section 6.0. That document is available in PDF format.]

LHS   Linehaul Service

Not Used	L109	121	Rate Class Code	O	ID 1/3

Code identifying specifically designated class of goods; Note: For international air shipments, see IATA Resolution 600k

Refer to 004010 Data Element Dictionary for acceptable code values.

Not Used	L110	39	Entitlement Code	O	ID 1/1

Code identifying entitlement party

Refer to 004010 Data Element Dictionary for acceptable code values.

Not Used	L111	16	Charge Method of Payment	O	ID 1/1

Code defining method of payment

Refer to 004010 Data Element Dictionary for acceptable code values.

	L112	276	Special Charge Description	O	AN 2/25

Identification of special charge; this data element is used whenever an applicable code cannot be found in data element 150

See Section 6.0 (DTEDI Personal Property Shipment Information Implementation Convention) for the application of this data element.

To find Section 6.0 on the web, go to http://www.lmi.org/dtedi/

[Instructions: At that web location, select the IC navigator button. Choose the 'ICs Completed' menu, select the Implementation Convention document, and page to Section 6.0. That document is available in PDF format.]

Not Used	L113	257	**Tariff Application Code**		O	**ID 1/1**

Code indicating to which traffic a tariff applies

Refer to 004010 Data Element Dictionary for acceptable code values.

	L114	74	**Declared Value**		X	**N2 2/12**

Monetary assigned value expressed in the standard monetary denomination for the currency specified

	L115	122	**Rate/Value Qualifier**		X	**ID 2/2**

Code qualifying how to extend charges or interpret value

    BL   Bill of Lading Declared Value

Not Used	L116	372	**Lading Liability Code**		O	**ID 1/1**

Code identifying limits of liability

Refer to 004010 Data Element Dictionary for acceptable code values.

Not Used	L117	220	**Billed/Rated-as Quantity**		X	**R 1/11**

Basis for rating (miles, value, volume, etc.); Note: Weight may be defined by either data element 220 or 81

Not Used	L118	221	**Billed/Rated-as Qualifier**		X	**ID 2/2**

Code identifying the type of quantity or value on which the rate or item pricing is based

Refer to 004010 Data Element Dictionary for acceptable code values.

Not Used	L119	954	**Percent**		O	**R 1/10**

Percentage expressed as a decimal

Not Used	L120	100	**Currency Code**		O	**ID 3/3**

Code (Standard ISO) for country in whose currency the charges are specified

Refer to 004010 Data Element Dictionary for acceptable code values.

Not Used	L121	610	**Amount**		O	**N2 1/15**

Monetary amount

	Segment:	**MEA** Measurements
	Position:	160
	Loop:	L0 Optional (Must Use)
	Level:	Detail
	Usage:	Optional (Must Use)
	Max Use:	10
	Purpose:	To specify physical measurements or counts, including dimensions, tolerances, variances, and weights (See Figures Appendix for example of use of C001)
	Syntax Notes:	1 At least one of MEA03 MEA05 MEA06 or MEA08 is required.
		2 If MEA05 is present, then MEA04 is required.
		3 If MEA06 is present, then MEA04 is required.
		4 If MEA07 is present, then at least one of MEA03 MEA05 or MEA06 is required.
		5 Only one of MEA08 or MEA03 may be present.
	Semantic Notes:	1 MEA04 defines the unit of measure for MEA03, MEA05, and MEA06.
	Comments:	1 When citing dimensional tolerances, any measurement requiring a sign (+ or -), or any measurement where a positive (+) value cannot be assumed, use MEA05 as the negative (-) value and MEA06 as the positive (+) value.

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
Not Used	**MEA01**	**737**	**Measurement Reference ID Code**	**O**	**ID 2/2**
			Code identifying the broad category to which a measurement applies		
			Refer to 004010 Data Element Dictionary for acceptable code values.		
Must Use	**MEA02**	**738**	**Measurement Qualifier**	**O**	**ID 1/3**
			Code identifying a specific product or process characteristic to which a measurement applies		
			HT Height		
			LN Length		
			WD Width		
Must Use	**MEA03**	**739**	**Measurement Value**	**X**	**R 1/20**
			The value of the measurement		
Must Use	**MEA04**	**C001**	**Composite Unit of Measure**	**X**	
			To identify a composite unit of measure (See Figures Appendix for examples of use)		
M	**C00101**	**355**	**Unit or Basis for Measurement Code**	**M**	**ID 2/2**
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
			FT Foot		
Not Used	**C00102**	**1018**	**Exponent**	**O**	**R 1/15**
			Power to which a unit is raised		
Not Used	**C00103**	**649**	**Multiplier**	**O**	**R 1/10**
			Value to be used as a multiplier to obtain a new value		

| Not Used | C00104 | 355 | **Unit or Basis for Measurement Code** | O | ID 2/2 |

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

Refer to 004010 Data Element Dictionary for acceptable code values.

| Not Used | C00105 | 1018 | **Exponent** | O | R 1/15 |

Power to which a unit is raised

| Not Used | C00106 | 649 | **Multiplier** | O | R 1/10 |

Value to be used as a multiplier to obtain a new value

| Not Used | C00107 | 355 | **Unit or Basis for Measurement Code** | O | ID 2/2 |

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

Refer to 004010 Data Element Dictionary for acceptable code values.

| Not Used | C00108 | 1018 | **Exponent** | O | R 1/15 |

Power to which a unit is raised

| Not Used | C00109 | 649 | **Multiplier** | O | R 1/10 |

Value to be used as a multiplier to obtain a new value

| Not Used | C00110 | 355 | **Unit or Basis for Measurement Code** | O | ID 2/2 |

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

Refer to 004010 Data Element Dictionary for acceptable code values.

| Not Used | C00111 | 1018 | **Exponent** | O | R 1/15 |

Power to which a unit is raised

| Not Used | C00112 | 649 | **Multiplier** | O | R 1/10 |

Value to be used as a multiplier to obtain a new value

| Not Used | C00113 | 355 | **Unit or Basis for Measurement Code** | O | ID 2/2 |

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

Refer to 004010 Data Element Dictionary for acceptable code values.

| Not Used | C00114 | 1018 | **Exponent** | O | R 1/15 |

Power to which a unit is raised

| Not Used | C00115 | 649 | **Multiplier** | O | R 1/10 |

Value to be used as a multiplier to obtain a new value

| Not Used | MEA05 | 740 | **Range Minimum** | X | R 1/20 |

The value specifying the minimum of the measurement range

| Not Used | MEA06 | 741 | **Range Maximum** | X | R 1/20 |

The value specifying the maximum of the measurement range

| Not Used | MEA07 | 935 | **Measurement Significance Code** | O | ID 2/2 |

Code used to benchmark, qualify or further define a measurement value

Refer to 004010 Data Element Dictionary for acceptable code values.

| Not Used | MEA08 | 936 | **Measurement Attribute Code** | X | ID 2/2 |

Code used to express an attribute response when a numeric measurement

value cannot be determined

Refer to 004010 Data Element Dictionary for acceptable code values.

Not Used   **MEA09**   **752**   **Surface/Layer/Position Code**   **O** **ID 2/2**

Code indicating the product surface, layer or position that is being described

Refer to 004010 Data Element Dictionary for acceptable code values.

Not Used   **MEA10**   **1373**   **Measurement Method or Device**   **O** **ID 2/4**

The method or device used to record the measurement

Refer to 004010 Data Element Dictionary for acceptable code values.

Segment:	**L3** Total Weight and Charges	
Position:	010	
Loop:		
Level:	Summary	
Usage:	Optional	
Max Use:	1	
Purpose:	To specify the total shipment in terms of weight, volume, rates, charges, advances, and prepaid amounts applicable to one or more line items	
Syntax Notes:	1	If either L301 or L302 is present, then the other is required.
	2	If either L303 or L304 is present, then the other is required.
	3	If either L309 or L310 is present, then the other is required.
	4	If L312 is present, then L301 is required.
	5	If either L314 or L315 is present, then the other is required.
Semantic Notes:	1	L305 is the total charges.
Comments:		

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Not Used	L301	81	**Weight**	X	R 1/10
			Numeric value of weight		
Not Used	L302	187	**Weight Qualifier**	X	ID 1/2
			Code defining the type of weight		
			Refer to 004010 Data Element Dictionary for acceptable code values.		
Not Used	L303	60	**Freight Rate**	X	R 1/9
			Rate that applies to the specific commodity		
Not Used	L304	122	**Rate/Value Qualifier**	X	ID 2/2
			Code qualifying how to extend charges or interpret value		
			Refer to 004010 Data Element Dictionary for acceptable code values.		
Must Use	L305	58	**Charge**	O	N2 1/12
			For a line item: freight or special charge; for the total invoice: the total charges -- expressed in the standard monetary denomination for the currency specified		
Not Used	L306	191	**Advances**	O	N2 1/9
			Incidental charges occurring during transportation which are not generally considered to be freight charges (examples - stop charges, diversion and reconsignment, icing) expressed in the standard monetary denomination for the currency specified		
Not Used	L307	117	**Prepaid Amount**	O	N2 1/9
			Money paid at point of origin (usually by shipper) expressed in the standard monetary denomination for the currency specified		
Not Used	L308	150	**Special Charge or Allowance Code**	O	ID 3/3
			Code identifying type of special charge or allowance		

Refer to 004010 Data Element Dictionary for acceptable code values.

Not Used	L309	183	**Volume**	X	R 1/8

Value of volumetric measure

Not Used	L310	184	**Volume Unit Qualifier**	X	ID 1/1

Code identifying the volume unit

Refer to 004010 Data Element Dictionary for acceptable code values.

	L311	80	**Lading Quantity**	O	N0 1/7

Number of units (pieces) of the lading commodity

Not Used	L312	188	**Weight Unit Code**	O	ID 1/1

Code specifying the weight unit

Refer to 004010 Data Element Dictionary for acceptable code values.

Not Used	L313	171	**Tariff Number**	O	AN 1/7

Standard tariff number for the tariff which governs the rates applied to the commodity item(s)

Not Used	L314	74	**Declared Value**	X	N2 2/12

Monetary assigned value expressed in the standard monetary denomination for the currency specified

Not Used	L315	122	**Rate/Value Qualifier**	X	ID 2/2

Code qualifying how to extend charges or interpret value

Refer to 004010 Data Element Dictionary for acceptable code values.

Segment:	**SE** Transaction Set Trailer		
Position:	020		
Loop:			
Level:	Summary		
Usage:	Mandatory		
Max Use:	1		
Purpose:	To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)		
Syntax Notes:			
Semantic Notes:			
Comments:	1 SE is the last segment of each transaction set.		

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	SE01	96	**Number of Included Segments**	M N0 1/10
			Total number of segments included in a transaction set including ST and SE segments	
M	SE02	329	**Transaction Set Control Number**	M AN 4/9
			Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	